PB87-108841

Pesticide Fact Sheet Number 67
3,5-Dibromo

(U.S.) Environmental Protection Agency
Washington, DC

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15. Supplementary Notes

16. Abstract (Limit: 200 words)

This document contains up-to-date chemical information, including a summary of the Agency's regulatory position and rationale, on a specific pesticide or group of pesticides. A Fact Sheet is issued after one of the following actions has occurred.

1. Issuance or reissuance of a registration standard,
2. Issuance of each special review document,
3. Registration of a significantly changed use pattern,
4. Registration of a new chemical, or
5. An immediate need for information to resolve controversial issues relating to a specific chemical or use pattern.

17. Document Analysis a. Descriptors

Pesticides, regulations, Chemical Information Fact Sheet, Use Patterns, Science Findings

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

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United States
Environmental Protection
Agency

Office of Pesticides and Toxic Substances
Office of Pesticide Programs (TS-788C)
Washington, DC 20460

EPA Pesticide Fact Sheet

Name of Chemical: 3,5-Dibromo
Reason for Issuance: Registration Standard
Date Issued: September 30, 1985
Fact Sheet Number: 67

1. Description of Chemical

Generic Name: 3,4',5 Tribromosalicylanilide
Common Name: Tribromsalan, TBS
Trade Name: Temasept IV
EPA Shaughnessy Code No: 077404
Chemical Abstracts Service No: 87-10-5
Generic Name: 3,5 Dibromosalicylanilide
Common Name: N/A
Trade Name: N/A
EPA Shaughnessy Code No: 077405
Chemical Abstracts Service No: 2577-72-2
Generic Name: 4',5 Dibromosalicylanilide
Common Name: N/A
Trade Name: N/A
EPA Shaughnessy Code No: 077402
Chemical Abstracts Service No: 87-12-7
Year of Initial Registration: July 6, 1964
Pesticide Type: Antimicrobial, Preservative
Chemical Family: Brominated Salicylanilides
U.S. Producers: Hexcel Corporation, Sherwin Williams Chemicals

2. Use Patterns and Formulations

Application Sites: Hard Surfaces, Laundry, Textiles, Manufactured Products
Types of Formulations: Solid, Solutions, Sprays
Application Rates: N/A
Usual Carriers: Soap

3. Science Findings

Chemical Characteristics:

Physical State: Powder
Color: White
Odor: None
Melting Point: 227-228°
Density: No Data Available
Solubility: Soluble (0.5-4.0%) in methanol, ethanol, isopropanol, ethyl ether and benzene; sparingly soluble (0.01-0.5%) in chloroform and cyclohexane; insoluble in water and petroleum ether.

Toxicity Characteristics:

There are no available data to assess the potential toxicity of the brominated salicylanilides.

Physiological/Biochemical Behavioral Characteristics: N/A

Environmental Characteristics: Indoor uses only; limited exposure is possible based on the registered uses of these products as disinfectants, laundry additives, textile preservatives and manufactured products.

Ecological Characteristics: Indoor uses only; limited exposure is possible based on the registered uses of these products as disinfectants, laundry additives, textile preservatives and manufactured products.

Efficacy Data: Product specific microbiological efficacy data will be required for all health related uses.

4. Summary of Regulatory Position and Rationale

No data are available to establish whether or not the risk criteria listed in Section 162.11(a) of Title 40 of the U.S. Code of Federal Regulations have been met or exceeded.

Unique Warning Statements: None

Tolerance Assessments: N/A The registered uses of the brominated salicylanilides do not include direct application to a food or feed crop.

Problems which are known to have occurred with use of the chemical (e.g., PIMS): None.

5. Summary of Major Data Gaps:

Toxicology, environmental fate, fish and wildlife and product chemistry data are required to assess the hazard associated with the registered uses of these chemicals.

6. Contact person at EPA: A.E. Castillo
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DISCLAIMER: The information presented in this Chemical Information Fact Sheet is for informational purposes only and may not be used to fulfill data requirements for pesticide registration and reregistration.